

OSA-5339-64
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Contract No. EH-1934
Task Order No. 4

18 DEC 1964

**Raytheon Company
Space & Information Systems Division
Antennetric Operation
Alexandria, Virginia**

Gentlemen:

1. In accordance with the provisions of Contract No. EH-1934 and effective upon your acceptance hereof, you are authorized to proceed with the performance of Task Order No. 4 to said contract.
2. The scope of work to be performed under this Task Order and such additional provisions as may be applicable are set forth in the attached Schedule.
3. The estimated cost for the performance of this Task Order, exclusive of fixed fee, is \$11,789.00. Cost in excess of this amount shall not be incurred without prior written authorization of the Contracting Officer.
4. The fixed fee for the performance of this Task Order shall be \$944.00.
5. The work and services to be performed under this Task Order shall commence on or about 30 June 1964 and shall be completed on or before 30 January 1965; however, said period of performance may be extended by mutual agreement.
6. Upon execution of all copies of this Task Order, please return the original and one copy to the undersigned and retain the remaining copy for your files.

Very truly yours,

**ACKNOWLEDGED & ACCEPTED
Raytheon Company
Space & Information Systems
Division/Antennetric Operation**

Contracting Officer

BY

TITLE General Manager

DATE 6 January 1965

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Task Order No. 4
Contract No. HH-1934

SCHEDULE

PART I - SCOPE OF WORK

Contractor shall furnish the necessary personnel, services and facilities to perform the following work:

The following are the basic tasks to be performed:

A. 1. PURPOSE

The purpose of this study is to investigate all satellite photography containing sea ice in the South Polar region and to present a status report on this investigation. This report will include recommendations for use of this material in the sea ice prediction program in this area.

2. PROCEDURE

The proposed tasks that will be carried out in this study are as follows:

(a) Evaluate and plot all sea ice photography around the Antarctic continent from the four (4) satellite missions now available;

(b) Show all areas that have two or more times coverage with time lapse noted for each pass;

(c) Determine the status of the orbital positional data for each mission which can be used in the geographic positioning of sea ice features;

(d) Compile two (2) mosaics at approximately 1:2,000,000 scale of the McMurdo Sound area from Missions II and IV to be used as a sea ice study or briefing purpose;

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(e) Analysis of material to determine possible usage on the ice prediction program; and

(f) Written report of the results of these tasks to be used on a reference document for the status of ice photography from Satellite Missions I thru IV.

SUB-TASK PROJECT II ICE

B. 1. PURPOSE

This task proposes to incorporate all of the ice interpretation data of Missions I and II into the Ice Reference Grid (IRG) system that is presently being formulated by the Automatic Operation, Raytheon Company under the direction of the U.S. Naval Oceanographic Office.

The number of 30 x 30 nm areas that are involved is approximately 7000. The insertion of this data into the IRG System would complete the library system of ice data of all missions of this series.

2. PROCEDURE

The proposed task would require a review of PROJECT ICE completed in July 1963 and the necessary procedures, including end products, for:

(a) Extracting of ice interpretation data for all 30 x 30 nm areas of Missions I and II.

(b) Determining geographic positions of all 30 nm x 30 nm areas of Missions I and II.

(c) Formatting and recording of data in card form.

(d) Data storage on master library tape.

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PART II - DELIVERY

Contractor shall furnish the data called for under PART I to the Government on or before 31 January 1965.

PART III - OVERHEAD LIMITATION

The parties hereto have negotiated and agreed for purposes of this Task Order and notwithstanding any other provisions of the contract to the contrary, that in no event shall the Contractor be reimbursed for actual overhead costs in excess of 130% for costs incurred in the Calendar Years 1964 and 1965.

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